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UTILITY PATENT APPLICATION TRANSMITTAL

Attorney Docket No. 960296.99021

First Inventor Thomas P. Zwaka

Title Directed Genetic Modifications of Human

(Only for new nonprovisional applications under 37 CFR 1.53(b))

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APPLICATION ELEMENTS				ADDRESS TO: Commissioner for Patents P.O. Box 1450					
See MPEP chapter 600 concerning utility patent application contents.							13-1450	92 1(
Fee Transmittal Form (e (Submit an original and a duplican) Applicant claims small e See 37 CFR 1.27. Specification (preferred arrangement set form) - Descriptive title of the - Cross Reference to R - Statement Regarding - Reference to sequent or a computer progra - Background of the In - Brief Description of the - Detailed Description	7 8	Alexandria, VA 22313-1450 7. CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix) 8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary) a. Computer Readable Form (CRF) b. Specification Sequence Listing on: i. CD-ROM or CD-R (2 copies); or ii. paper c. Statements verifying identity of above copies ACCOMPANYING APPLICATION PARTS 9. Assignment Papers (cover sheet & document(s))							
- Claim(s) - Abstract of the Disclo	osure	_ .	,, <u> </u>	37 CFR 3.73(b) S (when there is an	tatement		Power Attorne	of	
4. Drawing(s) (35 U.S.C.	, ·	; , l	11. English Translation Document (if applicable) Information Disclosure Copies of					of IDS	
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	OF INVENTOR(S)		15. Certified Copy of Priority Documen (if foreign priority is claimed)						
	t attached deleting inventor(s) or application, see 37 CFR 33(b).		16.	Nonpublication R (b)(2)(B)(i). Applie	equest un	der 35	U.S.C. 12		
6. Application Data Shee	t. See 37 CFR 1.76	ļ.	or its equivalent. 17. Other:						
18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in the first sentence of the specification following the title, or in an Application Data Sheet under 37 CFR 1.76: Continuation Divisional Continuation-in-part (CIP) of prior application No.: Art Unit: For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.									
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Name Nic	holas J. Seay				•				
Qua	arles & Brady LLP							-	
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Name (PrintlType) Nich	nolas J. Seay		Registrat	ion No. (Attorne	y/Agent)	27,3	86	$\overline{}$	
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Effective 10/01/2003. Patent fees are subject to annual revision.							ioma	S P. ZWa	aka		
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February 6, 2004

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Re: Filing Patent Application

Dear Sir:

Enclosed for filing please find a patent application entitled:

DIRECTED GENETIC MODIFICATIONS OF HUMAN STEM CELLS

by Thomas P. Zwaka James A. Thomson

The undersigned hereby certifies that this document is being deposited with the United States Postal Service today, February 6, 2004, by the "Express Mail" service, utilizing Express Mail label number ER 379231616 US, addressed to: Mail Stop Patent Application, Commissioner for Patents, P O Box 1450, Arlington, VA 22313-1450.

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Respectfully submitted,

Enclosures QBMAD\371090